BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to roads and drains in Hegdenagara West 3rd and 4th cross Ward No - 06

MODIFIED ESTIMATE

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinaty soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (P.No-143, I.No-19.1)								
	For RCC Drain	Cum							
	Hegde nagar								
	1st Cross road(East Side)		1	267.00	1.10	1.10	323.07		
	1st Cross road(West Side)		1	267.00	1.10	1.10	323.07		
	2nd Cross road 1st main North (East Side)		1	109.20	1.10	1.10	132.13		
	2nd Cross road 1st main North (West Side)		1	268.50	1.10	1.10	324.89		
	2nd Cross road 1st main South(upto 2nd main West Side)		1	181.10	1.10	1.10	219.13		
	3rd Cross road(East Side)		1	187.00	1.10	1.10	226.27		
	3rd Cross road(West Side)		1	187.00	1.10	1.10	226.27		
	8th Cross Road (East Side)		1	217.00	1.10	1.10	262.57		
	8th Cross Road (West Side)		1	217.00	1.10	1.10	262.57		
	Rachenalli road(masjid road)		1	173.10	1.10	1.10	209.45		
	Cross Road		1	29.50	1.10	1.10	35.70		
	For culvert								
	2nd cross road		1	14.00	1.40	1.20	23.52		
							2568.63	**225.94**	**580357.17**
	Basic Rate Rs.=	130.00							
	Add 6% A.W Rs. =	7.80							
	Sub Total =	137.80							
	8Km Lead, Loading and Unloading =(2*1.28*8)+57	77.48							
	Total Rate Rs. =	**215.28**							
	TP@4.95%	**10.66**							
		225.94							
2	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)								
	For Drain	Cum							
	Hegde nagar								
	1st Cross road(East Side)		1	267.00	1.10	0.15	44.06		
	1st Cross road(West Side)		1	267.00	1.10	0.15	44.06		
	2nd Cross road 1st main North (East Side)		1	109.20	1.10	0.15	18.02		
	2nd Cross road 1st main North (West Side)		1	268.50	1.10	0.15	44.30		
	2nd Cross road 1st main South(upto 2nd main West Side)		1	181.10	1.10	0.15	29.88		
	3rd Cross road(East Side)		1	187.00	1.10	0.15	30.86		
	3rd Cross road(West Side)		1	187.00	1.10	0.15	30.86		
	8th Cross Road (East Side)		1	217.00	1.10	0.15	35.81		
	8th Cross Road (West Side)		1	217.00	1.10	0.15	35.81		
	Rachenalli road(masjid road)		1	173.10	1.10	0.15	28.56		
	Cross Road		1	29.50	1.10	0.15	4.87		
	For culvert								
	2nd cross road		1	14.00	1.40	0.15	2.94		
							350.00	**5690.28**	**1991603.69**
	Basic Rate Rs.=	5115.00							

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Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
	Add 6% A.W Rs. =	306.90							
	Total Rate Rs. =	**5421.90**							
	TP@4.95%	**268.38**							
		5690.28							
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification. (P.No.271, I.No.37.59.2 of PW, P&IWTD S.R 2018-19)								
	For RCC Drain raft	Cum							
	Hegde nagar								
	1st Cross road(East Side)		1	267.00	1.10	0.15	44.06		
	1st Cross road(West Side)		1	267.00	1.10	0.15	44.06		
	2nd Cross road 1st main North (East Side)		1	109.20	1.10	0.15	18.02		
	2nd Cross road 1st main North (West Side)		1	268.50	1.10	0.15	44.30		
	2nd Cross road 1st main South(upto 2nd main West Side)		1	181.10	1.10	0.15	29.88		
	3rd Cross road(East Side)		1	187.00	1.10	0.15	30.86		
	3rd Cross road(West Side)		1	187.00	1.10	0.15	30.86		
	8th Cross Road (East Side)		1	217.00	1.20	0.15	39.06		
	8th Cross Road (West Side)		1	217.00	1.10	0.15	35.81		
	Rachenalli road(masjid road)		1	173.10	1.20	0.15	31.16		
	Cross Road		1	29.50	1.10	0.15	4.87		
	For RCC Drain walls	Cum							
	Hegde nagar								
	1st Cross road(East Side)		2	267.00	0.15	0.60	48.06		
	1st Cross road(West Side)		2	267.00	0.15	0.60	48.06		
	2nd Cross road 1st main North (East Side)		2	109.20	0.15	0.60	19.66		
	2nd Cross road 1st main North (West Side)		2	268.50	0.15	0.60	48.33		
	2nd Cross road 1st main South(upto 2nd main West Side)		2	181.10	0.15	0.51	27.71		
	3rd Cross road(East Side)		2	187.00	0.15	0.60	33.66		
	3rd Cross road(West Side)		2	187.00	0.15	0.60	33.66		
	8th Cross Road (East Side)		2	217.00	0.15	0.60	39.06		
	8th Cross Road (West Side)		2	217.00	0.15	0.60	39.06		
	Rachenalli road(masjid road)		2	173.10	0.15	0.50	25.97		
	Cross Road		2	29.50	0.15	0.60	5.31		
							716.13		
	For culvert raft								
	2nd cross road		1	14.00	1.20	0.25	4.20		
	For culvert walls								
	2nd cross road		2	14.00	0.25	0.50	3.50		
							7.70		
	For culvert slabs								
	2nd cross road		1	14.00	1.20	0.25	4.20		
							4.20		
	Ramp concrete for culvert								
	2nd cross road		2	14.00	1.00	0.15	0.53		
							0.53		
					Net Qty.		**728.56**	**7420.17**	**5406052.41**
	Basic Rate Rs.=	6670.00							
	Add 6% A.W Rs. =	400.20							
	Total Rate Rs. =	**7070.20**							
	TP@4.95%	**349.97**							
		7420.17							

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Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
4	KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications MORTH Specification No. 1600 & 2200 for TMT bars Fe 500. (P.No.239, I.No.29.29.2 of PW, P&IWTD S.R 2018-19)								
	As per executed quantity						43.97	77654.86	3414405.20
	Basic Rate Rs.=	69804.00							
	Add 6% A.W Rs. =	4188.24							
	Total Rate Rs. =	**73992.24**							
	TP@4.95%	**3662.62**							
		77654.86							
5	Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	For drain cover slab	Sqm							
	Hegde nagar								
	1st Cross road(East Side)		1	267.00	0.90	-	240.30		
	1st Cross road(West Side)		1	267.00	0.90	-	240.30		
	2nd Cross road 1st main North (East Side)		1	109.20	0.90	-	98.28		
	2nd Cross road 1st main North (West Side)		1	268.50	0.90	-	241.65		
	2nd Cross road 1st main South(upto 2nd main West Side)		1	181.10	0.90	-	162.99		
	3rd Cross road(East Side)		1	187.00	0.90	-	168.30		
	3rd Cross road(West Side)		1	187.00	0.90	-	168.30		
	8th Cross Road (East Side)		1	217.00	0.90	-	195.30		
	8th Cross Road (West Side)		1	217.00	0.90	-	195.30		
	Rachenalli road(masjid road)		1	173.10	0.90	-	155.79		
	Cross Road		1	29.50	0.90	-	26.55		
							1893.06	**2452.68**	**4643070.40**
6	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.13, I.No.4.6 of PW, P&IWTD SR 2018-19)								
	For Drain	Cum							
	Hegde nagar								
	1st Cross road(East Side)		1	267.00	0.20	0.10	5.34		
	1st Cross road(West Side)		1	267.00	0.20	0.10	5.34		
	2nd Cross road 1st main North (East Side)		1	109.20	0.20	0.10	2.18		
	2nd Cross road 1st main North (West Side)		1	268.50	0.20	0.15	8.06		
	2nd Cross road 1st main South(upto 2nd main West Side)		1	181.10	0.20	0.15	5.43		
	3rd Cross road(East Side)		1	187.00	0.20	0.15	5.61		
	3rd Cross road(West Side)		1	187.00	0.20	0.10	3.74		
	8th Cross Road (East Side)		1	217.00	0.20	0.15	6.51		
	8th Cross Road (West Side)		1	217.00	0.20	0.15	6.51		
							48.72	**6031.81**	**293881.96**
	Basic Rate Rs.=	5422.00							
	Add 6% A.W Rs. =	325.32							
	Total Rate Rs. =	**5747.32**							
	TP@4.95%	**284.49**							
		6031.81							

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Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
7	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting and lift, transportation etc.,complete. As per the direction of Engineer incharge. (P.No.27, I.No.5.30 of PW, P&IWTD SR 2018-19								
	For Drain	Cum							
	Hegde nagar								
	1st Cross road(East Side)		1	267.00	-	-	267.00		
	1st Cross road(West Side)		1	267.00	-	-	267.00		
	2nd Cross road 1st main North (East Side)		1	109.20	-	-	109.20		
	2nd Cross road 1st main North (West Side)		1	268.50	-	-	268.50		
	2nd Cross road 1st main South(upto 2nd main West Side)		1	181.10	-	-	181.10		
	3rd Cross road(East Side)		1	187.00	-	-	187.00		
	3rd Cross road(West Side)		1	187.00	-	-	187.00		
	8th Cross Road (East Side)		1	217.00	-	-	217.00		
	8th Cross Road (West Side)		1	217.00	-	-	217.00		
							1900.80		
							4224.00	**453.89**	**1917221.90**
	Basic Rate Rs.=	408.00							
	Add 6% A.W Rs. =	24.48							
	Total Rate Rs. =	**432.48**							
	TP@4.95%	**21.41**							
		453.89							
8	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Specification No. KSRRB M800-6. (P.No.180, I.No.24.1 of PW, P&IWTD SR 2018-19)								
	For Drain	Cum							
	Hegde nagar								
	1st Cross road(East Side)		1	267.00	-	0.30	80.10		
	1st Cross road(West Side)		1	267.00	-	0.30	80.10		
	2nd Cross road 1st main North (East Side)		1	109.20	-	0.30	32.76		
	2nd Cross road 1st main North (West Side)		1	268.50	-	0.30	80.55		
	2nd Cross road 1st main South(upto 2nd main West Side)		1	181.10	-	0.30	54.33		
	3rd Cross road(East Side)		1	187.00	-	0.30	56.10		
	3rd Cross road(West Side)		1	187.00	-	0.30	56.10		
	8th Cross Road (East Side)		1	217.00	-	0.30	65.10		
	8th Cross Road (West Side)		1	217.00	-	0.30	65.10		
							570.24	**89.00**	**50749.99**
	Basic Rate Rs.=	80.00							
	Add 6% A.W Rs. =	4.80							
	Total Rate Rs. =	**84.80**							
	TP@4.95%	**4.20**							
		89.00							
	EIRL								
E1	Providing and fixing RCC precast cover slab of 250mm thick made out of CC 1:2:4 and jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	For Culvert Slabs	Sqm							
	2nd cross road		1	14.00	1.20	-	16.80		
							16.80	**5686.19**	**95528.01**
	Basic Rate Rs.=	5418.00							
	TP@4.95%	**268.19**							
		5686.19							

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Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
								Sub Total 1 Rs	183928870.72
	Add GST @ 12%								22071444.49
								Total Rs	20600015.21

CERTIFICATE

1. The work spot has been inspected by me and the work is found to be necessary.
2. The estimate is prepared as per PW. P&IWTD S.R Bangalore circle for the year 2018-2019.
3. The Provisions made in the estimate are quite necessary and adequate.
4. The area comes with in the BBMP limits.

Assistant Engineer
Project Division Yelahanka
BBMP

Assistant Executive Engineer
Project Division Yelahanka
BBMP

Executive Engineer
Project Division Yelahanka
BBMP

Technical Sanction
Accorded For Rs 20600015.21
Head of A/C..P0190.....
CER NO :..74..... Dt 11.02.2021

JA

CE (YNK)

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